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SEMINÁRIO DE SISTEMAS DINÂMICOS

Dia 22 de Abril (sexta-feira), às 14H00, na sala 6.2.33

On the Kolmogorov typicality of dynamics displaying infinitely many coexisting sinks

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Abstract:

In this talk we will show that the finiteness of the number of attractor is not typical in the sens of Kolmogorov. Moreover, we will show the existence of an open set of surface map U in which typically in the sens of Kolmogorov-Arnold, the dynamics displays infinitely many attractors. This means that for a C^r - generic family $(f_a)_a$ of maps f_a in U , for every small parameter a , the dynamics f_a displays infinitely many sinks. A part of this work is in collaboration with S. Crovisier et E. Pujals.

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